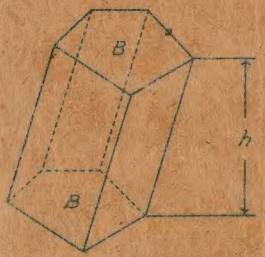
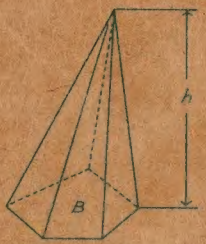
24000-24431

1



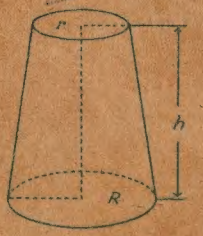
$V = B.h$

2



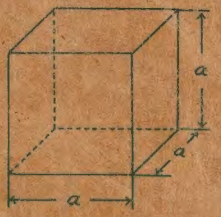
$V = \frac{1}{3} B.h$

3



$V = \frac{1}{3} \pi h (R^2 + R.r + r^2)$

4

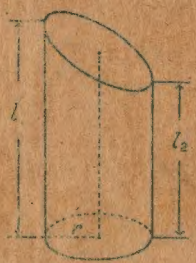


$V = a^3$

100 HOJAS

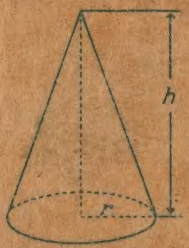
Norma

5



$l = \pi r^2 \frac{l_1 + l_2}{2}$

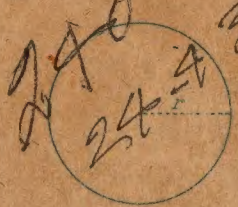
6



$V = \frac{1}{3} \pi r^2 h$

24000-24431

9

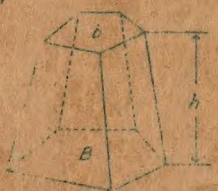


$V = \frac{4}{3} \pi r^3$

10

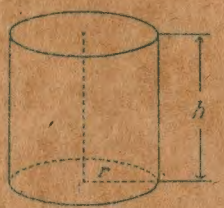
$V = F.l$

7



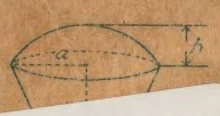
$V = \frac{1}{3} h (a + b + \sqrt{a.b})$

8

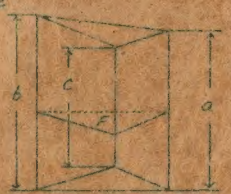


$V = \pi r^2 h$

11



12



$V = \frac{1}{3} (a + b + c) F$

24000-24428

CUADERNO DE:

PERTENECE A:

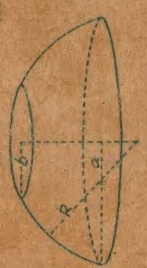
13

$V = \frac{1}{2} \pi r^2 h$

14

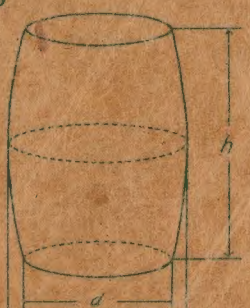
$V = \frac{1}{4} \pi^2 D.d^2$

15



$V = \frac{1}{6} \pi h (3a^2 + 3b^2 + h^2)$

16



$V = \frac{1}{12} \pi h (2D^2 + d^2)$

Plantas medicinales

Eugenio Arias Alzate (1965) 214

Ed. Bedout

~~Planta + Pg~~ ~~74.30~~

gas 15

~~Aspirinuca~~ ~~25~~

food at ~~supermarket~~ ~~115~~

gasoline 100

gasoline 200

~~Bananas~~ ~~2~~

~~Marcelino~~ ~~100~~

~~Cucuta~~ ~~60~~

Boy 60

Romualdo 2½ 75

Boy ½ 15

~~alcohol~~ ~~12~~

~~coffee Letizia~~ ~~50~~

~~Eggs~~ ~~10~~

~~Marcelino~~ ~~75~~

~~3 boys ½ a day~~ ~~45~~

~~Sept. 17 Linea~~ ~~26~~

~~Cellulite~~

gasolina 150

Oct 12 Boya 4.00

Oct 13 Ignacencio 20.00

Approx plants 218,65

gross plants 72.20

food for trip 229.00

lunch 45.00 etc.

Labor 4.00

Ignacio 21.00

Ignacio 10.00

Bahatinguera 6.00

Travelling $20.00

Sept 23 lunch 4.50
food 47.00

Sept 24. Baggage Regina 40
Bus 40
Tapia 14

Sept. 25 Tapia 32
Dinner 102
Sasaba 30
Tickets (plants) 20

Sept 26 Tapia 14

Sept. 27
Tapi 6.00

Sept. 28 Joan 882.00
Tapia 27.50

Sept 29 Hotel - 1046.50
express bop 300.00
Hair 80.00
tip hotel 15.00

Adre Ortiz, Mitú.

Esther de Molina

Air ticket 180.00
Taxi to Vuelta. 10.00
Taxi to Bogotá 40.00
Taxi to Hotel 2.70
Taxi to Jorge + back 12.00
Dinner — 60.00
Tips in Hotel — 10.00
Hotel — 76.00
Taxi 21.00

To buy

Lilo Linke

People of the Amazon 21/

Robt Hale, Ltd. London 1963.

Oct 2 Juliaca — 20.
Rum — 32.00
Oct 3 Food for trip 290.00
Oct 5 Ferries trip 20.
Cigarettes 15.60
Tito Vargas 507.00
Cans 20.00
Express plants 72.20
Oct. 8 Food for trip 229.00
Lunch 45.00 etc.
Labor 4.00
Ignacio 21.00
Oct 9 Ignacio 10.00
Bank stamps 6.00

Oct 10 Oranges 15.00
Ignacio 20.00
Bank stamps 5.00
Oct 11 Boys 11.00
Sewing 10.00
Oct 12 Boys 4.00
Oct 13 Ignacio 20.00
Express plants 218.65

towelling $20.00

Sept 23 lunch 4.50
food 47.00

Sept 24. Baggage Bogota .40
Bus .40
Tapia .14

Sept. 25 Tapia .32
Dinner 1.02
Siesta .30
Tickets (plants) .20

Sept 26 Tapia .14

Sept. 27
Tapia 6.00

Padre Ortiz, Mitú.

Esther de Molina

Oct. 14	Air ticket	180.00
	Taxi to Villav.	10.00
	Taxi to Bogotá	40.00
	Taxi to Hotel	2.70
	Taxi to Jorus + back	12.00
	Dinner —	60.00
	Tips in Hotel —	10.00
Oct. 15	Hotel —	76.00
	Taxis	21.00

Cucl. Trees in Leticia · A = strict ornamental

Theobroma grandiflorum (A)
" cacao
bicolor
Pithecellobium excelsum (A)
Pompoosa (A)
Mauritia minor (A)
Hevea brasiliensis (A)
Pourouma cecropiaefolia
Pourouma sericea
Citrus sinensis et var.
Matisia cordata
Astrocaryum vulgare
Gossypium sp.
Abutilon sp.
Bougainvillea
Plumeria

24000 Hevea brasiliensis (Willd ex Adr. Juss.) Muell.-Arg. det RES.

24001 Hevea brasiliensis " " det RES.

24002 Isertia hypoleuca Benth. det RES

24003 Herrania nitida (Poepp.) R.E. Schult. det RES.

24004 Scleria pterota Pres. det. Koyama

Collection: Sebastian Peoples Park, Sequoia

Col.

Col.

alk. Pos.

Col.

Alk. Neg.

Col.

Col.

Alk. Doubtful

Loulo de perro

Orthoclada laxa

Homalopsis atmensis

24008 Vismia angusta Miq. det RES

24009 ~~Clusia globosa Maguire~~ Decaphalangium parviovarium Melchior det RES, det. Stevens

24010 Ficus glabrata HBK. var. obtusa Dugand det RES

24011 Pilocarpus macrophylla (HBK.) Standl. det RES

24012 Pourouma cecropiifolia Trec. det RES.

24013 Ficus caballina Standl. det RES.

24014 Clusia insignis Mart. det RES.

24016 Polypodium megalophyllum Desv. det RES

24017 Cordia Klugii Killip (?) det RES

24018 Piper Hostmannianum (Miq.) C. DC. det RES

24019 Schmaltzia obliqua (Ruiz) Kuntze det Skutch

Col. 24008 Flowers white —
Virginia. Tree 40 ft. high. Trunk 6 to 7 in. diam.
Alk. Doubtful, orange sap.

Col. Alk. Neg.

Col. Alk. Pos.

Col. Alk. Pos.

Col. Alk. Neg.

Col. alk. neg. — doubtful

Col alk. neg

Col

Col. ——

Col

Col

alk neg.

24020 Palicourea condensata Standl. det RES.

24021 Cecropia sciadophylla Mart. det RES

24022 ~~Strychnos Gabriensis Baill.~~ det RES
Strychnos cogens Benth del 66

24023 ~~Psychotria sp. Palicourea guianensis Aublet~~ det RES
Palicourea croceoides (Sw.) Roem + Schult det RES

24026 Solanum lipinetanta R.E. Schult. det RES.

24027 Pourouma cecropiifolia Tul. det RES.

24030 Allophylus semicordatus P. et E. det RES

24031 Strychnos Jobertiana Baill. det RES

24032 Palicourea guianensis Aubl. det RES

Col

alk. pos.

alk. pos.

alk. pos.

Tabernaemontana in menstrua-
tion, bark decoction astrin-
uptive

24036 Solanum

24037. Anacardium occidentale Timmer sap, peduncle det RBS
to gallop and against flu. Tea
24038 Lycopodium cernuum L. [illegible] det RBS

24039 Urospatha sagittifolium (Rudolph.) Schott det RBS

24040 Bellucia grossularioides (L.) Tr. det Wurd.

24041 Swartzia hypoleuca Benth. det RBS.

24042 Inga edulis Mart. by Skin det Urbe

24043 Parkinsonia aculeata Mart. det RBS

24044 Victoria regia Lindl. det RBS

24045 Erythrina fusca Lour. Rudd

24046 Sphenoclea zeylanica Gaertn. RS

Cl

Cl.

Cl

Cl.

Cl.

alk neg.
alk pos.

Cl.

alk pos.

Cl.

alk neg.

Cl.

Tea-Pond

Cl.

alk neg.

Cl

alk. doubtful

alk doubtful

Cl.

alk. pos.

Cl

alk. sl pos ?

24048 ~~Euphorbia~~ Crotalaria retusa HBK. Rusby

24051 Maieta guianensis Aubl. det Wurd.

24052 Adelobotrys meaginata Brade det Wurdack

24053 Besleria ignea Fritsch det RES.

24054 Bryopteris meniscoidea (Willd.) O. Ktze.

24055 Pouraqueiba sericea Tul. det RES.

24056 Piper nigrum L. det RES.

24057 Polypodium megalophyllum Desv. det. Maxon

24058 left with Unite

24059 Anthurium sp.
not in Hk. Col.

24060 Rapatea paludosa Aubl. det RES

24061 Aechmea nidularioides L. B. Sm. det Smith

Col.

Col.

Col.

Col.

Col.

Col.

Col.

Col.

24066 Mendoncia

24067 Rhynoria

24069 Siparuna patens Poir. (E. "nipana" in H. Peru) det Melchior

24070 Lepidocarpum tomei Mart. det RES.

24071 Matayba rostrata (HBK.) Presl det Macbr.

24072 Siparuna magnifica Perk. det RES.

24073 Passiflora mitida HBK. Lectotype Sandwith + Portaleria

24074 ~~Cayaponia Spruei (A. Gr.) Cogn.~~ det RES.

24071 Freziera fagifolia Mig. det RES

24077 Cf. Caraipa? 1 24077 Cyrtopetalum Sterculia

24078 Smilax aequatorialis A. DC. det RES.

alk neg.

Cl

alk neg.

Cl.

Cl.

(H. loss)

Cl.

Cl.

alk neg.

Cl.

Cl.

Cl.

Carnitine ?

alk neg

Cl.

24079 NOT IN HERB.

24080 Alchornea cordata (Juss.) Muell.-Arg. det RES

24081

24082 Porraqueiba sericea Tul. det RES.

24083 Miconia amazonica Tr. det Wurdack

24084 Pip.

24085 ~~Acanthopermum? Stem sp.?~~ det RES
Piper cordifolia L.

24086 Cassia Leucena Vog. det Shaw

24087 Passiflora Killipiana Cuatr. (Type RES 58 H) det RES.
T. Killip, Fruit & flowers, fabulous.

24088

24089 Henriettella sylvestris Gl. det RES

24090 Bonafousia tetrastachya (HBK.) Mgf. det. Timm
= Tabernaemontana tetrastachya HBK det RES

24092 Miconia tomentosa (L.C. Rich) D. Don det Wurdack

24093 Machaerium macrophyllum Bth. Richard

24096 Varaciviezia coccinea (Vahl) Kl. det RES

24097 Nectandra sp. Virola elongata (Bth.) Warb. det RES

5 mi

alk. pos.

alk. pos (sieg.)

(1)

alk. pos.

alk neg.

alk neg.

alk neg.

alk neg

alk neg

alk neg

alk neg

alk neg

24098 Solanum jamaicense Mill. det RES.

24099 Oxyotanthus cf. botryostachys Eichl.

24100 Ficus caballina Standl. det RES

24101 not in Coll. Matricaria

24102 Bellotia sp. (none in hb from Amazonas) det RES.

24105 Bryanthera ~~illic boot~~ juruensis Warb. det RES

24107 Ormosia n. sp.?

24108 Brunfelsia grandiflora var. Schultesii TYPE det RES.

Decaphalangium peruvianum Molchior det Stevens

24109 Cleome glabrata Wagenitz typotype det RES

24110 Tabernaemontana Sananho R. & P.

2411 Matisia cordata H. & B. det RES.

24112 Ficus Matthewsii Miq. det RES

24113 Strutlianthus cf. adenostemon (Eichl.) Killip. det RES

Col. 24098 Sarcinia ... alk. doubtful.

Col.

Col.

Col.

Col.

Col.

Col.

Col.

Solubl. + Rubbed Scales

R. Loeselyana. Cat mouth of river. Sept 13-15, 1906.
? amazonica Rusby. Mouth of Rio. Type

Col. 24107 Irvingia "Ekeche" Tikuna - mu-ru-i'-ka.

seeds very alkaloidal.

Col. 24108 Brunfelsia. Bush 12 ft. H. white or purple. Poison to cattle. "Sanango" alk.

Col. 24109 Clusia. Strangler H. white petals yellowish

Lobules

Col. 24110 Tabernaemontana Sanango. H. white. Latex white. Small tree a large bush. Sanango Tikuna

Col. 24111

Col.

Col.

24114 Not in Herb. Col.

24115 Cochlospermum orinocense (HBK.) Steud. Cuatrec.

24116 Pithecura sp.

24117 Matisia n. sp. ~~Quararibea~~ Matisia ichthyorrhiza Pl. det Ross
Prof. Pennell det. Matisia

24118 Stenopa americana L. det Ross

24119 Spondias sp. Herbert Spencer with cultivated plantains.
Co. coast

24120 Clitoria cf. arborea Bth. Rusby

24121 Sanchezia thinophila Lemaire { type of genus, 2nd coll! det Ross.
24121a Nectandra globosa Wms. neg

24122 Capsicum isthmicum Standl. det Ross.
(new to Amazon of Colombia)

24123 ~~Cestrum~~ sp. Solanum verbascifolium L det Ross

24124 Nectandra Pisi Miq. (check with Allen) det Ross.
Marsdenia macrophylla
Very toxic. Topoisan dogs.

24126 Prestonia sp. (not in Herb Col.) Rusby. Very toxic. Death of dogs.

24127 Eugenia sp.?

24128 Jussiaea leptocarpa Nutt. det Ross.

24129 Ipomoea tiliaefolia L. det Ross

24130 Dicraniostyla ???

24131 Phyllanthus fluitans Bth. det RSS.

24132 Derris amazonica Killip Rud

24133 Crotaeva Benthamii Eichler

24135 Ormosia macrocalyx Ducke Rud

24136 Utricularia foliosa L. det RES.

24137 Polygonum portoricense Bel. ex Small

24138 Datura suaveolens H.B. det RES.

24139 Duguetia ~~sp.~~ Spixiana Mart. det RSS

24140 Cousapoa intermedia Mart. ex Miq. det RSS.

24141 Palicourea crocea (Sw.) Roem. + Schult. det RSS.

24142 Miconia lobrim acaciaefolium (Bth) Bth. Rud

24143 Clusia amazonia Pl. + Tr. det RES.

24145 Tabernaemontana tetrastachya HBK. det RSS.

24146 Eugenia ~~amundata~~ Lo det Mori

24147 Cecropia peltata L. det RSS.

Convolv.

Col. 24130 [illegible] Hort. H. capitat. ad 2 pes

24131 Physalanthus [illegible] Hortus. Bulb. ad pes.

Col. 24132 Dahlbergia [illegible] Hortus. H. ramos. 1 pes.

Bad form only fruit pres.

Col. 24133 [illegible] Hortus. H. ramos. [illegible] pes.

Cappendorius

24134 Legum. Trac. Sept. H. ramos. pes.

Col. 24135 Legum. Trac. Sept. H. ramos. pes. Cordatus

24136 Anthylis [illegible] Hortus. H. ramos. (1)

Col. 24137 Polygonum [illegible]

Col. 24138 Datura suaveolens. H. pendent, white. Bush. Alk. pos.

Col. 24139 [illegible]

Col. 24140 [illegible]

Col. 24141 [illegible]

Col. 24142 [illegible]

Col. 24143 [illegible]

24144 [illegible]

Col. 24145 Tabernaemontana [illegible]

Col. 24146 [illegible]

Col. 24147 [illegible] (1)

24148 Chrysophyllum auratum Miq. det RSS.

24149 Croton glabellus L. det Forman

24150 ~~Eyt~~ Clusiana torbinata (Berg) Mart. det RSS
Cochlospermum tinctorium

24151 Cymbosema roseum Bth. Rudd

24153 Derris amazonica Killip Rudd
24154 Combretum trianguliflorum HBK. det RSS

24155 Splicnocline zeylanica Gaertn. RSL

24156 Cratacva tapia L. Tea of Leonard Thomas Peters det Roman

24160 not in HBG. Mucuna rostrata Bth. Rudd
Roman good det to fruit only, fruit as collected.

24163 Pterocarpus Rohrii Vahl Rudd

24164 Cyphomandra sp. Not in HBG det RSS

24165 Theobroma grandiflorum det RSS.

Ce. 24148 Som. Trin. Sapindaceae? Fr. green. Latex white.

Ce. 24149 Castor
Paussandra? Fr. green. Sm. tr.
Wilstons Vetiver cruich low. panther infected cattle, some

Ce. 24150 Leg. Mimosoideae. Large tree, St.

H. 24151 Legume vine. H. red. Flowers

Ce. 24152 Leg. Small tree. H.

Ce. 24153 Dalbergia? Climber. H. purple.

Ce. 24154 Combretum. Vine. Fruit winged.

Ce. 24155 Borrachito. On playa. Dense. H. white. Cattle poison.
same as 24046

Ce. 24156 Tree. Fr. Sm.

24157 Fr.

Ce. 24162 Tree. Fr.

Ce. 24161

H. 24163

Ce.

Ce.

24166 Stylosanthes guianensis Sprague & Sandw. det 1925.

24167 Malouetia furfuracea Spr.

24168 Aureia geniculata Spr. det 1925.
24169 Ixora sp. (near tetrast. lucidana)

24170 Malea nitida Benth. det 1925.

24171 Heterostemon mimosoides Desf. det. Ducke

24173 Inga cf. longifolia (Cluck) det Ducke

24174 Cocoloba semulans C. K. Allen det 1925.

24175 Rapania angustifolia (Turcz.) Mez. det 1925.

24176 Banara guianensis Aubl. det 1925.
24177 Quiabea acuminata Spr ex Warming det 1925.
24178 Peperomia macrostachya (Vahl) A. Dietr. var. nematostachya (Link) Trel. & Yunk. det 1925.

24179 Xylopia aromatica (Lam.) Mart. det 1925.
Kubeca - fruits edible?

24180 not in Herb. Col.

Vicinity Sept 27 – Oct 20, 1964

Veg. of Alitik

Cl. 24/166 Sh. , Expt. mine, moss edge. Fl. fragrant, white, fruity cream. Fa = alk. steady +. Bk + but [illegible]

Cl. 24/167 Alnus incana ssp. tenuifolia. Sm. tree on creek bk

Cl. 24/168 Picea [illegible]

Cl. 24/169 Vac. [illegible] alk. neg.

Cor. 24/170 Protea
Kobresia sheath of [illegible] alk. neg.

Cl. 24/171 Legume. Sm. tree on creek bk. Fl. purple. alk. Neg.
Pl. formerly [illegible]

Cl. 24/172 Potentilla fruticosa Hi [illegible]

24/173 Sorbus sambucifolia (?) alk neg.

Cor. 24/174 Sm. tree. Fl. yellow-brown, bvs. + twigs alk + Bvs toasted, ground & added to cocoa for ceremonial use (slight)

Col. 24/175 ~~Flaccum~~ Sm. tree, sec growth. Fl. [illegible]
Plant fair. bark alk neg. bvs. twigs dbtful

Col. 24/176 Hazouri. Bushy tree on mountainside. Fl. green-yellow. alk doubtful

Col. 24/177 ~~Sorbus~~ Sm. tree. Fl. white. Fr. [illegible] alk neg.
Bark is a taeniage insan!

Cl. 24/178 Populus [illegible] alk neg.

Col. 24/179 Sm. tree, 20 ft. Ranunculus. Fl. cream, not tested

Col. 24/180 Picea. Bush along river bank. alk neg.

24181 Pithecellobium — Rudd

24182 ~~Componeura~~ Trichilia sp. ? check

24184 Arrabidea

24185 Exythea elegans (A.DC.) Gilly — det RSt.

24186 Eschweilera inaequipala Cuatr. — det RES.

24187 Strychnos rondeletioides Spr. ex Benth. — det RES.

24188 Micomia truncata Tr. — det Wurdack

24190 Myrciaria · (sent to McVaugh.)

24191 Compsoneura Sprucei (A.D.C) Warb. — det RSt.

24192 Crudia amazonica Bth. Bark boiled for tea in ... of bad pregnancy — Rudd

24193 Manipa sp. not in Herb. Cal.

24194 ?

24195 Palicourea guianensis Aubl. — det RES

24196 Leandra rhodopogon (DC.) Cogn. — det Wurdack

24197 Alchornea glandulosa ~~Poepp~~ P. & E. — det RSt.

24198 Licania glabra Mart. ex Hook fil. — Det RES.

24199 Eugenia florida DC. Makes ... — det RSt.

Col. 24181 Legume ? [illegible] alk. sl. Pos

Col 24182 [illegible] alk neg

Col 24183 [illegible]

Fruits used to be fermented.

Col. 24184 Bignon. Vine. Fl. Brown-white. alk Pos

Indians make eye wash from leaves.

Col. 24185 [illegible]

Col. 24186 Leg. [illegible] alk neg bf bk

Col. 24187 Strychnos [illegible]

24187a Erosia Seeds boiled with ash of Sonchus, used as [illegible]

Col. 24188 Melastomaceae. Tree 9 ft. Fl. pink-white.

24189 [illegible]

Col. [illegible]

Col. 24191 Rosa. Fl. white ?

Col. 24192 [illegible] alk neg.

Col. 24193 Chenopodium ? not Cucurbitaceae [illegible] Pos. neg.

Col. 24194 ? Sm. tree. Fl. pink.

Col. 24195 Tree 25 ft. Fl. [illegible] deep yellow. Sick. t.

Col. 24196 [illegible]

Col. 24197 Alchornea ? Lg. tree, bf. alk. Pos. neg.

Col. 24198 Andira ? [illegible] not Inocarp. Pos. fruit sl. Pos.

Col. 24199 Myrtaceae Eugenia ? [illegible] all neg

24200 Ocotea simulans C.K.Allen det RSS

24201 Mandevilla cuneifolia Woods. (see back page) det RSS

24202 Anthurium crassinervium (Jacq.) Schott det RSS
var. caatingae R.E.Schult. var. nov.
(differs from Curtis coll (Harv. Bot. Mus Leafl. 16 p 181) in being
less cor. + narrower, ~~more~~ dense, etc.)
warm decoction of leaves relieves fungal infections

24205 Piper cf. separabile Trel. det RSS

24206 Clusia spathulaefolia Engl. det RSS

24207 ~~Dilkea~~ Passiflora [illegible] det RSS

24210 Peperomia fasciculata (Rot.) Koern. det RSS

24211 Nautilocalyx sp. [illegible]

24212 Sarcostemma ? mi in Herb. [illegible]

24213 Clusia columnaris Engl. var. vaupesana Cuatr. det RSS

24214 Elaphroglossum Wagneri (Kze.) Moore det Mickel

Col. 24200 [illegible] alk. neg.

Col 24201 [illegible] alk. pos.

Col. 24202 [illegible] alk. pos.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

Col. [illegible] alk. neg.

24216 Aechmea brevicalix L.B.Sm. Smith

24217 Vriesea sp.? Mt. Duida, ... det RBS.

24218 No. Mick. Ho. Cow. Cephaelis?

24220 Billbergia macrolepis L.B.Sm. det Sm.

24222 Cephaelis boraellana (Müll.-Arg.) Standl. det RBS.

24225 Alloplectus semicordatus P. & E. det RBS

24227 Psychotria oligemera Sw. det RBS

24228 Solanum verbascifolium L. det RBS.

Col. 24216 Bacch. Ep. Bracteaten, fl. white rather
brown yellow.

Col. 24217 Lecidea Rehmeana H. pachnite white
dark dark-ifat

~~Col.~~ 24218 Phyllosticta M. Zf. Fungus-spots
dark. pos.

24219 Sclerotia, hypothallus (?)

~~Col.~~ 24220 Bacteridium Sp. Cord. group, Bacterium (?)

24221 Trichosphaeria, Lung-Sporidium M. [illegible]

Col. 24222 Cephalosporium Bacterium H yellow. M.
dark pos

24223 Pestalozzia, Fruchtkörper
dark pos

Schorf (Schizomycetium) Fruchtk. M.
~~Not in Herb.~~ dark (?)

24225 Fungus Sp. Bacillus M. (?)

24226 Sporidium Fungus ?

Col. 24227 Pestalozzia Fungus-Sporidium

Col. 24228 Bacterium, Hyphomycete M. dark
dark. pos.

24229 Trichosphaeria M. 4–7 µ. Lung-Sporidium

24230 Trichosphaeria M. 3µ. Lung-Sporidium

24231 Trichosphaeria M. 3 µ. Lung-Sporidium

24234 Manihot esculenta

24235 Solanum Topiro H. & B. ex Dun. det RES

24239 Cephaelis salicifolia H. & B. det RES.

(Psychotria sp. prob. belonging to sect. Mapouria near Psychotria metallica recently James Duke collected from Chocó, Col. det Dwyer

24242 Sipanea columbiana Wernh. det RES.

24243 Solanum stramonifolium Jacq. det RES.

24244 Solanum subinerme Jacq. det RES.

24245 Clibadium asperum DC. det RES

24232 Transform. Ht. 3ft. Diam 3ft.

24233 Transform. Ht 7ft. Diam 3ft

Col. 24[illegible] [illegible] 24[illegible]

Col. 24[illegible] [illegible] Type [illegible]

24[illegible] [illegible] [illegible] [illegible]

24[illegible] [illegible] [illegible]

24[illegible] [illegible]

Col. 24[illegible] [illegible]

Col. 24[illegible] [illegible] 2 Pl. 3ft Diam

24241 Phytolacca abt. neg.

Ficus

Col. 24[illegible] Rondelets ? Ht. good. Ficus

Col. 24[illegible] [illegible] [illegible]

Col. 24[illegible] [illegible] Ht. 4-5ft. [illegible]

Col. 24[illegible] [illegible] Ht. 3ft. incl. Rondelet abt pos with dent-hfnd

24246 Cyphomandra sp. — Keller = fee [illegible] relations [illegible]

24247. Tachigalia corifera (Sp. ex Bth.). Macbr. det RSB.

24248 Stylogyne Tricliosonii R. Scholz. det RSB.

Vanpée Indiana. old flowers, but considered to [illegible] [illegible] [illegible] sp., Calea virgulosa [illegible]

24250 Clytroma valida Mure det RSB

24251 Fiaus Mathewsii Miq. det RSB

24253 Virola elongata ~~cuspidata~~ (Benth.) Ward. (sub book) det RSB

24254 Virola cuspidata (Benth.) Ward. ✓ det RSB.

24255 Inga sp.

24256 Inga stenoptera Benth. det RSB.

24258 Stylogyne rondeletioides Sp. det RSB.

24259 Cyphomandra sp.

Vitaceae – Rhoicissus macrocarpa Planch. ssp. [illegible]

Col 24240 Cayratia [illegible] (J. M. Wood & Sc. Ferr.) [illegible] ssp. [illegible] (see 24259) ark. pos

24242 Cissus [illegible] Planch.

Col 24247 Cayratia [illegible] (Forssk.) Gamble ssp. [illegible] ark pos.

Col 24248 Cissus [illegible] Planch. ark. pos

H. leaves attached to shoots, stipules not found ark doubtful

24249 Cissus [illegible] Planch. (1) ark. pos

Not in Herb. Col.

Col. 24250 Cayratia [illegible] (Forssk.) Gamble ssp. [illegible] ark. neg.

Col. 24251 Cissus [illegible] Planch. ark neg

24252 Cayratia [illegible] (Forssk.) Gamble ssp. [illegible] (1)

Col. 24253 Cissus [illegible] Planch. ark. pos.

Col. 24254 Cissus [illegible] Planch. [illegible] ark pos. [illegible]

Col 24255 Cissus [illegible] Planch. ssp. [illegible]

Col. 24256 Cissus [illegible] Planch. ssp. [illegible] ark. neg.

Col 24257 Cissus [illegible] Planch. ssp. [illegible]

Col 24258 Cissus [illegible] Planch. ssp. [illegible]

Col. 24259 Cayratia [illegible] (J. M. Wood & Sc. Ferr.) [illegible] ssp. [illegible] (see 24240)

24260 Bryssonima japurensis Juss subsp. silvatica Cuatr. det RES

24261 Clusia columnaris Engl. det RES

24262 Bonnetia ?? Wallacea insignis Sp. ex Benth. & H. f. det Maguire

24263 Cyrilla racemiflora L. det RES

24264 Cuphea tuberosa Lourt. det RES.

24265 Xyris distichostachya Lang. det RES.

24266. [illegible]

24267. Trachomanes arbuscula Desv. det Maguire

24268 Paepalanthus Moldenkianus R.E. Schult. det RES.

24270 Styrax nigidifolius Hub. & Schulf. fma. japobodensis Hub. & Schulf. det RES

24271 Pitcairnia patentiflora L.B.Sm. var. sublineata L.B.Sm. det Sm.

24272 Cecropia Idroboi Cuatr. (Acc. from type S. Fla.) det RES.

[illegible] (for lunfardia Hirsuta)

24274 Calliandra Rusby

24275 Prockia (Same as 24378 ?)

Cc. 24260. Wangetree. McCpighiaceae. Fl. pinkish white, inconspicuous glossy, dilk. neg.

Cc. 24261 Clusen, Wange tree. Fl. white, centre with purple, dilk. neg.

Kaňendá

Reis Kubigni.

Cc. [illegible] dilk. neg.

Cc. 24263 Eyanika, Tree [illegible] dilk. neg.

[illegible] Fl. purple. W.

Cc. [illegible] Xigwi Wigwam.

Cc. [illegible] Tree. Fl. white. Maytenus arevis Reiss.

Cc. [illegible] Tree.

Cc. [illegible] dilk. doubtful

[illegible] Nandaimp. Nandi. A.R.+

Cc. [illegible] dilk. doubtful

Cc. [illegible] Bloodwood. Tree. [illegible]

Cc. 24277. Cocoa plum. Tree 15-20 ft. [illegible]
Anisantheted,

Cc. 24273 Sandalwood. Tree [illegible]

Cc. [illegible]

Cc. [illegible] Rubiaceae pseudocinchona (Hiern) Stapf 1911.

24276 Himatanthus bracteata (DC.) Woods. det RES

24277 Mandevilla subsarmentosa (BK.) Woods, det RES.

24278 Gonioglossum Martianum (Baker) Steyerm. + Cuatr, det RES.

24279 Sauvagesia Sprengelii St. Hil. det RES.

24280 Bombax coriaceum Mart. + Zucc. det HPES.

24282 Byrsonima oleata Cuatr. det RES.

24283 Vellozia Lithophila R.E. Schult. det HPES.

24284 Colmeae ?

24285 Macairea Schultzii Wurdack. det Wurdack

24286 Pachyloma coriaceum DC. det Wurdack.

24287 Albolboda macrostachya Spr. ex Molina det RES.

24288 ~~Octotheca~~ Thecacoris? Bonnetia, Tylecia?

24290 Theobroma bicolor det RES.

24276 Langsd. & Plumeria [illegible] Lodd. [illegible] Kunth, neg (1)

24276A Fragment. Himatanthus [illegible] Woods. alk. neg

Col 24277. Vine, Stems [illegible] alk.?

24278 [illegible] (1) alk. pos. doubtful

Col 24279 [illegible]

Col. 24280 [illegible] alk. neg.

Col. 24281 [illegible] alk. neg.

Col. 24282 [illegible]

Col. 24283 Vallesia glabra. Hl. 3-4'. [illegible]

Col 24284 Bush. Rosaceae? Fl. orange alk, neg

24285 Bush, 2-3 ft. Malastoma. Fl. [illegible] alk. neg. (1)

24286 Malastoma. Tree [illegible]. Fl. purple. alk. neg.

Col. 24287 [illegible] Fl. [illegible] alk. doubtful

Col. 24288 [illegible] (Kunth)

~~Col 6, 16 Rosa gentle Introduced~~

24289 ? Rubiaceae. Climber, flrs. white alk doubtful

24290 Theobroma bicolor. Tree 4, 9 ft. alk. doubtful

24291 Flacourtiac. Bush, 2 m tall, fl. white, fil. green. alk doubtful

24292 ?Spermum. Small shr 10 ft tall, petals deep blue, fls. green, calc/pod

24293 Leguminosae (Papilion.) Herb, glandular- calc. neg

24294 Compos. Chicken, fls. purple, white. calc neg.

✓

24293 Stylosanthes guianensis (Aubl.) Sw. Rudd

24295 C. microstemon Pl. & To. de Nguru

24297 Campsiandra angustifolia Spr. ex Bth. Pittier.

24299 Securidaca pendula Bongl. Cowan

24300 Solanum apagoranum

24302 Trifolium?

24303 Gallesia Nicaragua

21305 Kudus mit Kälbern in Gu

24306 C. microstemon Pl. & To. de Nguru

Vicinity of Lima, mouth of Rio Rimac
Oct. 6/1914

24295 Clusia, Small tree, Inflorescence, yellowish. Fl. white & sessile.

24296 Solanum. Vine. Fl. red. Fr. white, alk. neg. Leaf. Petiole of leaf reduces swelling from sucker bite

24297 Leguminosae. Flowers bright red. Bush 9–10 ft, (fragment) alk. neg.

24298 Capparis. Shrub. Fr. red. alk. neg.

24299 Legum. Vine. Fl. yellow. alk doubtful

24300 Solanum (asperosanum ?) Vine. Flowers. Fl. white. Fr. orange. alk. pos.

24301 ~~Clusiaceae~~ ? Sm. tree. Fr. green. Laetia suaveolens (P. & E.) Benth. alk. doubtful

24302 Flacourt. Tree 15 ft. alk neg.

24303 Compositae, Tree 15 ft. Leaves dark neg.

24304 Guttiferae, Tree 8-10 ft. bol. Gustavia brasiliana DC. alk. neg.

24305 Lecythidaceae, Large tree. Fl. white, Fr. ~~orange~~ alk. doubtful

24306 Cruciferae Fl. large, white, Fr. yellow-red, alk. neg.

24309 Salpinga secunda Schr. + Mart ex DC. det Wurdack

24311 Clidemia hirta (L.) D. Don var. det Wurd.
tiliaefolia (DC) Macbr.

24312 Myrcia bracteata (Rich) DC det Mabry 6

24313 Viróla theiodora Warb.

24314 Myrcia bracteata (Rich.) DC. det Mabry 5

24318 Symphonia globulifera L. fil. det P.E.S.

24319 Hevea nitida Mart. det P.E.S.

Hills, Strathalbyn Cleared land, Oct. 7/06.

24307 Abutilon. Fl. yellow. Herb. Indigenous
alk. doubtful

24308 Pipe. Mt. Pfl. alk. pos.

24309 Melaleuca. Fl. white.

24310 Solanum. Tree up to 25 ft. Trunk 9" diam.
Fl. purple. Ber. yellow-green. alk. pos. Ber
Tube. Trunk dead & bark, bark, root.

24311 Melaleuca. Bush. Fl. white.

24312 Eucalyptus. Tree bush. Fl. white. alk neg.

24313 Vinca. Small bush 4 ft. Fl. blue. alk. neg.

24314 Lupinus. Bush. Fl. white. Same as 24312.

24315 Cistus. Fl. reddish. Vine. alk. neg.

24316 Cassia. Bush. Fl. yellow, Ber. doubtful
bark pos.

24317 Strutheosyphon. Parasite. alk. neg.

24318 Symphonia. Sm. tree, 40 ft. Bark yellow.
Pitch for marks. Fl. brilliant red. Tube 2-par. alk. neg.

24319 Nicotiana. Small tree. Bark
Herb. Fl. alk. doubtful

24320 Cassia lucens Vog. det Elias

24321 Chamaecrista [illegible] Engl. var. [illegible]

24321a Graffenrieda caryophyllea Tr. det Wurdack.

24322. Same plant S+C. 13915 Cerro de Motilé 7 Sept 1951 #59666 116 C.C.
59665
Graffenrieda Stegnacanthii Wurdack. mihi.

24323 Gaertnera calva

Related new species
Gaertnera
2 new species
Gaertnera

24324 Aristolochia medicamala R.E. Schult. det RES.

24325 Xiphidium coeruleum Aubl. det RES.

24326 Cassia [illegible]
lucens Vog.

24320 Cassia. Small tree. Fl. yellow. alk. thy pos.

Uganda, Rift Valley, Kavirondo, Plants numbers granted 24320, Oct 7/24.

24321 Cassia. Very common, Tree 35 ft. Bark, Fl. [illegible] Pods [illegible] yellow, [illegible] alk. neg.

24321a Graffenrieda caryophyllea Tr. Alk. neg.

24322 Aporosa [illegible] Tree, bark [illegible] Fl. pale [illegible] yellow, [illegible] white. Fruit [illegible] Alk. [illegible]

24323 Quattara. Tree 20 ft. Fl. [illegible] green, petals [illegible] Fruits [illegible] Alk. neg. [illegible] Formula [illegible]

24324 Crotalaria medicinalis. Fl. [illegible] Pods [illegible] Vine. Low. Loc. [illegible]

24325 Xylopia. Fl. [illegible] Kidney [illegible]

24326 Diospyros.

24327 Cassia. Tree 20 ft. Fl. [illegible] yellow. [illegible] pods. [illegible]

24328 Acanthella Spruceii Hook. f. det Wurd.

24333 Brodiea vigata (Rich.) Amsh. Lundell

24334 Cassia lucana Vog. "good for purging when combined with Senna" Drink of Cow. det Fabris

24337 Pitcairnia mutisensis L.B.Sm. det RES.

2434[illegible] Monticella pubescens v. Cleff det Pitt

24328 Melastom. [illegible] 10 fl. Fr. Corpus yellow.

24329 Compositae. [illegible]

24330 Psychotria. Small shrub. fl. 3 fl. Fr. white. Corpus yellow.

24331 Hamelia. Bush. H. yellow.

24332 Rubiaceae. Fr. red. Bush. (Psychotria)

24333 Legum. [illegible] (1) H. yellow.

24334 Leg. [illegible] H. [illegible] Fr. of these good for food [illegible]

Cerro de Mico 600 ft/sl.

24335 Compositae. Small shrub, fl. [illegible] alk. dubiful

24336 Rubiaceae. Fl. white, [illegible]

24337 Petiveria tetrandra. H. green yellow. Berries [illegible] (1)

24338 Melastomaceae. Small shrub. H. red. alk neg.

24339 Melastomaceae. Small shrub, fl. H. [illegible] alk. neg.

24340 Myrsinaceae. Shrub. H. [illegible] Fr. [illegible]

24346 Dalbergia cuneifolia Vog. Ar. W.

24341 All Purple Petaled ray flowers, purple disk flowers are of white dyed ones with purple tubes

24343 Clusia minor Linn. Ar. W.

24347 Argyreia Smithii

24351 { Bathysa obovata (Ruiz) Schum. Ar. W.
Cephaelis acuminata Sw. Ar. W.

2431a Alsinaceae, Lvs. linear, 15–18 ft. Fl. white. alk neg.

2431 Nardostachys chinensis

2431c Malvaceae Low shrub, 3 ft. alk neg.

2432a Compositae

2433 Clematis, Sm. tree, 18 ft. Fl. white, pungle-red stripe, fragrant. Sim. as 2431.

2434 Tam. med. Gelsemium Fl. white, [illegible] Yr very fragrant. HH. 3 ft.

2435 Retemphyllum? Fr. red. Shrub 6–8 ft. alk neg.

2436 Chelonopsis alpina HH. 5 ft. Fl. yellow-green alk neg.
Fr. foliaceous, stipitate. Lvs.

2437 Silene? Fr. yellowish-white

2438 Saxifragaceae Vine. Fl. white-purple alk. slight pos.

2439 Hydrangea Tree. Fl. purple. (?)

2440 Compositae Fl. white, like Carum

2441 Polygonum. Shrub yellow-green. Fl. white. alk doubtful.

2442 Boraginaceae Herb. Fl. blue. Lvs. [illegible]

2443 Trees.

24115 Treefern, 2 m tall, sandy soil

24264 Treefern, 1½ m tall, along creek, wet sandy soil

24355 Tree-like, Sp. F. pinnata (?)

24356 Small tree. Thread-[illegible] F. [illegible] sandy soil.

24357 [illegible]

24358 Treefern, 1½ m tall, along creek.

24359 Treefern, 1 m tall, tropical rainforest

24360 Treefern, 2 m tall, along creek, wet

24361 Treefern, 2 m tall, sandy soil

24362 Rubiaceae. Small tree. Pr. green [illegible]

24363 Byrsonima japurensis Juss. subsp. silvatica Cuatr. (sin brok) det RES

24366 Henriettea americana L. var. latifolia Spr. (Cluck nomenclature) det RES

24367 Miconia nodosum Cuatr. det RES.

24371 Swartzia conferta Spr. det RES.

24372 Calathea cyclophora det Schultes

24373 Nectandra acutifolia (R. & P.) Mez. det RES

24374 Phoebe Tremae Rusby det RES.

24375 Serjania ternata Perk det RES

24376 Bacumaria germanii (Cuatr.) Pittier det RES

24377 Guatteria duckeana R. E. Fr. det RES.

Rio Lempa, Carboniferous Tabl. Col 10/60

Col. 2+363 Rautella? Trac 60 ft. Fl. pos. ± neg. ash. neg.

Col. 24364 Euphemites? Spirolites? Trac. gives.

24365 Orthoceras. Fl. pos. Tf.

Col 24366 Rhabdomesia, Trac. rept. Fl. ash. bors & trans. neg. ± ?

24367 Rhabdomesia reticulata, Vein. Sterile, ash. neg or doubtful

Col. 24368 Stenopora, Euphemites? Fl. neg. ?

Col 24369 Euphemites. Fenestella. Small Trac. Fl. ash.

Col. 24370 ? Trac 25 ft, bearing Fl. ash neg.

Col 24371 Leioclema. Trac. rich. Small Fenestel (w) ash pos.

24372 Monticulipora (?) [illegible]

Col 24372 Lioclema. Fl. pos. Trac 40 ft. (bx) ash. pos.

Col. 24374 Small Trac. Fenestra, ash pos.

Col. 24375 Small Trac. Leioclema. ash. neg.

Col. 24376 Monticulipora. Small Trac. Fl. pos.
Mixed with coca plates. ash pos

24377 Small Trac. Trac 40 ft. Fl. pos. ash. pos.
Warm both ash pos.

24378 Dilleniaceae Not in Hk. Col.

24379 Coussapoa n. sp.? det RSS.

24379 Burn wood to inhale smoke for grippe.

24381 Graffenrieda rupestris Ducke. (see note in book) det RSS.

24382 Duguetia odorata (Aubl.) Maas. det RSS.
Agrees in many with ducena from same region

24383 Struthanthus

24386 Pithecellobium Maxwell

24387 Pagamea pyrifera (L. C. Rich.) Uittien & Sleumer det RSS
(Ducke)

24389 Tachigalia paniculata Aubl. det RSS

24389a Diplotropis Martiusii ?

24390 Caryocar aff. glabrum det Hubbard

col. 24378 Flamenco, ? Fr. yellow Scarlet.
ark. neg.

col. 24379 Cocuyo, Fr. yellow, Fl. red, 3 ft.
ark pos (lys) + bark neg.
Wet forest, hillside, Paraguay.

Col. 24380 Arundinaria, Fl. white. Neg. (Jamaica, Panama)
ark. neg.

col 24381 McCook, Tree 40 ft. Fl. white,
Kubeos.
ark neg

Rio Verde, Goiás. Oct. 10, 1966

col. 24382 Cochlospermum, Tree 10 ft. Fl. yellow
Dry forest

col. 24383 Cochlospermum, Shrub,

col. 24384 Malpighiaceae, Climber, Fl. purple.

24385 Spiranthes, Fl. yellow.

24386 Lagoa, Climber, Fl. white, Neg.
ark. neg.

Cach. de Tatú
col 24387 Flamenco, ? Scarlet, Fl. red, Bird-pol.
Cach de Tatú
Long tube. Bird-pollinated flow.
Cach de Tatú
col. 24388 Lagoa, Bignoniaceae, Tree 35-40 ft. Fl. purple,
Fruit, Seeds winged, Leaves compound, Deciduous
24389 Bombax, Tree 40 ft. Fl. red, Fruit

24391 Guatteria dura R. E. Fr. (see back) det 1933
Tea (bark vermifuge, Kuhlm.

24393 Xylopia aromatica (Lam) Eichl in Mart det Loesen.

24394 Bocageopsis pleiosperma (Peru.) Baill. det Kull.

24395 Guatteria

Col. 24391 Annonaceae Tree 15 ft. FL yellow-green, cauliflo. Bank of Rocky pos. Fr. [illegible]

Col. 24392 Not in Herb. Col. Tetrameranthus: Fr. green. Latex white. Fl. white. Same as 24249.

[illegible]

[illegible]

24394 [illegible] Vine. Fl. [illegible] Diuretic Urine medicine for elderly mental

[illegible] Fr. green. Tree 40 ft. Kiboo alk. strong pos.

Oct. 14, 1966 Chagra

24396 Orchid. Epiphyte, labellum white with pink tint, green at tip.

24397 ? Malowettia. Tree, 50 ft. tall, latex white, fls. white, fragrant. River bank, wet soil.

24398 Tree fern, 6 ft. tall. Common, wet tropical rain forest.

24399 Treefern, 9 ft. tall, wet, tropical rainforest.

24400 Treefern, 9 ft. tall, leaf length ca. 4 ft. Wet river bank.

24401 Treefern, 3 ft. tall, wet tropical rainforest.

24408 Zornia diphylla (L.) Pers. Rusby

24402 Treefern, 5 ft. tall, wet river bank.

24403 Treefern, 5ft. tall, wet river bank.

24404 Treefern, 4 ft. tall, wet riverbank

24405 Apoc. Small shrub. latex white, sepal tube pink, base of petal tube white, turning pink toward apex, lips of petal tube yellow.

24406 Treefern, 9 ft. tall, riverbank

24407 Byrsonimia Treelet, 12 ft. tall, fls. yellow, frts. green, lower surface of leaves deep brown, upper surface glossy green. Second growth forest. alk. neg.

24408 Papilionac. Small herb, fls. yellow. Common, open patch. alk. neg.

24410 Inga. Tree, 15 ft. tall, fls. yellow. Second growth

24411 Rubiac. Treelet, 15 ft. tall, fls. white. Dark trop. rainforest. bark alk. pos., root alk. neg.

24412 Psychotria Small shrub, 2 ft. tall, frts. green, turning yellow when ripe. Common, dark tropical rainforest. strongly alkaloid positive (bark, leaves, root)

24413 Rubiac Treelet, 15 ft. tall, fls. slightly pink, ft. buds glossy green. alk. neg

24414 Treelet, 4 ft tall, fls. white Alk. neg

24415 Palm, climber, inflorescences green.

24416 Philodendron Climber, inflorescences green.

24417 Lorenya acutifolia Berg ex Tr. det Ward.

24418 Myrcia subsessilis Berg. det McVaugh.

24420 Theobroma subincanum Mart.

24421 Ocotea opifera Mart.

24426 Pithecellobium sp. Rudd.

24428 Malvaviscus arboreus Cav. var longifolius (Gaskell) Schery (fide Schery) Cultivated in the Botanical Garden

24417 Tree, 60 ft. tall, fl. buds yellow with deep pink top, stamens yellow, fls. showy. alk. neg.
Melast.

24418 Shrub, 3 ft. tall, fls. pink. Rocky river bank.
Eugenia

24419 Treelet, 20 ft tall, frts. green. alk. strongly pontwic (2,6)

24420 Theobroma ?grandiflora
Tree, 25 ft. tall, fls. dark deep red.

24421 Lauraceae
Tree, 30 ft. tall, frts. green. alk. neg.

24422 Treefern, 3 ft. tall, wet creek.

24423 Treefern, 1 ft tall, on white sandy soil. "Kathiga" vegetation.

Oct. 16, 1966 ~~Hiedy~~ vicinity of Mitu

24424 Treefern, 9 ft. tall, leaves 1½ m. long, growing in close clumps. Common.

24425 Treelet, 15 ft. tall, fls. dull white.

24426 Bauhinia. Treelet, 12 ft. tall. Stamen column white at base, deep pink at tips.

24427 Bush, fruits green.

24428 Gossypium. Bush, flowers pale violet.

24429 Pitcairnia rupestris L.B.Sm. det Smith

24431 Hechtia Roezlii Tr. det Utley

24429 Bromeliad. Epiphyte, fls. orange.

24430 ? Faramia. Shrub, fls. bright yellow, peduncle orange.

24431 Melast.
Tree; 60 ft. tall, trunk clean. at base ca. 25" cm. Fits. green.

24030 [illegible]

24013 Ficus [illegible]

24043 Pourouma cecropiaefolia Mart. [illegible]

24019 Schizolobium obliquum (Rudge) Koern. det + Schultes

24017 Cordia Klugii Killip. (?) det + RSS.

24003 Herrania nitida (Poep. & E.) R.E. Schult.

24011 Palicourea macrophylla (HBK.) Standl. det + RSS.

24004 Clusia glabra Klotzsch det RSS.

24008 Vismia angusta Mig. det RSS

24010 Ficus glabrata HBK. var. obtusata Dug. det RSS.

24012 Pourouguaiba setacea Trec. det RSS.

24006 Hevea brasiliensis (Willd. ex A. de Juss.) Muell.-Arg. det RSS.

24001 " " det RSS.

24002 Iriartea hypoleuca Benth. det RSS

24018 Piper Hostmannianum (Mig.) C. DC. det RSS.

24020 Palicourea condensata Standl. det RSS

24021 Cecropia sciadophylla Mart. det RSS

24023 Psychotria [similis Hartwegiana vel nov?]

24096 Maracanieza cocinea (Vahl) Kl. det RSS

24077 Cynstopetalum sp. ?? Strecata sp. ?? det RSS

24078 Smilax aequatorialis A. DC. det RSS

24082 Pourouguaiba setacea Trec. det RSS.

24080 Achariea cordata (Juss.) Muell.-Arg. det RSS.

24085 Acanthospermum sp.

24090 Bonafousia tetrastachya (HBK.) Mgf. det Romero

24071 Ficus [illegible] Mig. det RSS

24027 Pourouguaiba setacea Trec. det RSS.

24026 Solanum leucomelanta R.E. Schult. det RSS.

24041 Iriartea hypoleuca Benth. det RSS.

24039 Urospatha sagittifolium (Rudolph.) Schott Brunfelsia mertensii = chuckasapi

S. stramonifolium Tuk. etopaa. Piracuara. R. Castaneda 3777 27, nov. 1952. comestible

" Kub. cobuia Coch. Pucupani G.B. 14946 oct 24-26-1952

" RES Mouth Pacoa Kumpaka mar-ya-vec 12586 June 17, 1951.

" +Cav. Rio Pucuparina H.G.B 14256 Aug. 28-31, 1952.

" RES 5883 La Pesa. Apr. 1944

Duque Jaramillo 2174

Lulo de árbol. Solanum nodiflorum Britton.

UNIVERSIDAD NACIONAL

INSTITUTO DE CIENCIAS NATURALES

(DEPTO. DE BIOLOGIA)

El Director del Instituto de Ciencias Naturales (Depto. de Biología), atentamente se permite invitar a los - Profesores, Instructores y Monitores a una reunión que se llevará a cabo en el salón de Lectura de la Biblioteca, el día viernes 9 de Septiembre a las 11 a.m., para escuchar la exposición del Dr. HERNANDO ORDOÑEZ, sobre la Organización de la Sociedad de Biología de Bogotá y los programas actuales de la misma.

Se anticipan agradecimientos por la atención que se sirvan prestar.

Bogotá, Septiembre de 1966.-

LA DIRECCION

/edem.-

See Seattle

S. [redacted] 4095 nik-neg.

24107 coll.? Oreocrinus; venustus

24108 Braufelnia ident? coll?

S + R.

Tuyttella

Eucalyp-

Ficus

29/4 nk

Gaffenreida rupestris Ducke
S&C 14566 Jurpinho 25/11/51. ~~Rutilia~~ Rutilia sp. nov. #2430 Colombia?

Rhaetiera dura NEPr. S&C 15479 Jayaapa: Feb 15/52
nov # 2431.

Bipsonoma [illegible] pilosa Cuatr.
S+C. 13539, etc Wedelia 13 ff 393-664.

Vanilla carinata (Benth) Wawra. Sur # 2253
S&C. 14987 Surinam "latex all first colourless, latex subs. Barasana = na-tzin'-ñe-mĕ"
S&C. 13532 Surinam Jan 28/52
"Pumive = chee-van' Infusion of lvs + bark taken for "cough"" 16 Aug 1951.
A. Fern. 2243 Monchal, R. Juruá Febr. 11/53
"Semillas verdes con aiilo rojo verdes para pescar".

Listing plants of Col.

Cecropia sp.
13739 HCB Sprucina Nov. 25/51 "Curima"
13909 " Stratum Dec 1-15/51. "Baba"

C. utilis
cf Ferm. 2176 Inirida, Raudal Alto, Marapire
"pendanta" Feb 3/53
S+L. 9467 Orui
9486 "

Hancornia speciosa
55859A Cerro Carcasia March 1949

Lacmellea arborescens.
Cuatr. 15626 10-20 dic 1943.
Valle via Laguna Rio Sanguinini
(This is called sorvinha in Brazil - is it used?)

L. edulis
HCB + R.J. Negro 17707 Manaus (used?)

L. floribunda "Tachuelo"
R. Cast. 4709 Barrancabermeja Santander 26 agost 1954.
" 6287 Chocó - entre R. Tilupo + Sadatal 20 June 1957
" 4752 Same as 4709 Aug 28/54
" 1655 Bolivar, Palstal May 14/49.
Haught 4870 Ant. Mulatos. June 11, 1946.

L. spanemerensis
Killip + Cuatr. 39155 Chocó Embocadura Tojoromó June 13/44.
R Cast. 5493 Nov 23/55 Manaus, Iquandé
" 5414 Oct 18/55 " "Caimitillo"
Rio de Tumaco.

Para-hancornia krukovii Monachino
S+C. 12666 Santarem June 18 1951. Pumove = cat.

Thevetia peruviana "Cobalonga" "cauchi"

used? send + ask for coll. list

Herb. visited in Hb. Col. Oct 1966 Dorothy.

RES 5872a La Pedrera, above Cangostura Apr. 5/44
H. pubic. var. cor.

RES 6389 Lor. R. Oct. 1944 H. brasil.

RES 5864 Cerro la Pedrera Apr 3, 1944 H nitida

RES 6573 Hacienda Guabirada Pamatal, Trop. Sept 1945
H. paucivar. cor.

RES 5732 Cerro Castillo July 27, 1943. Fairly 700-1000 ft rich pos
H. guianensis var. lutea

RES 5751 La Tarusia Feb 1944 H guian. var. lutea

RES 8122 Río Cotahé, Buenos Aires. Sept 1946 H. guian. var. lutea

H. Barclay 4759 Río Put. below Pto Asis. 7-30-57. H. guianensis

HGB Cerro Sabukuni Nov 29-30, 1951 H. nitida ~~var. tox.~~

HGB, RES, Blohm 15849 Yapoloda H. nitida var tox.

HGB 14641 La Pedrera Oct 1-4 52. H. Benthi.

HGB, RES, Blohm 15831 Yabodoli H. nitida var tox.

Hevea angustifolia Spr. ex Bth. S. & L. 10125 Río Guainia
Río Naquiene
Cyphomandra endospermon Britton (Cerro Tomachi
June 1948
S 3652 Concepción 2-5 April 42 "Leaves for dyeing pots black"

Observaciones:

Foto tomada en:

Fecha:

Tomada por:

Negativo depositado en:

Diapositivo depositado en:

Solanum stramonifolium Jacq.

RSB. 5883 Lo Pedrera Apr. 1949
HGB 14256 Rio Pirá. Aug 28-31/52
S&C. 12586 Mouth Pacoa 17 June 1951
Cast. 6769 Mitú 13-IX-34
HGB 14946 Yaruparí Oct 24, 1952
R.Cast. 3777 Piracuara, Vaupes 27 Nov. 1952. Tukano-stoipaa
~~HGB~~

Componeura Spruceí (ADC) Wurd.

S+C. 13105 R. Kanumi July 25/51.
13148 Sorotame Aug 20/51
13346 Isibuk. Aug 4/51
12771 Sorotame June 21/51
HGB 14398 Jinogoje Sept 1952

~~Componeura capitellata (ADC) Wurd.~~

~~S+C 15107 Santame Jun 31/52 — Root prison~~

~~Componeura debilis (ADC) Wurd.~~

S. Pedro + C. 18018 San Felipe Oct 25/52.
S+C. 19379 [illegible] Yuturi May 14-24, 1953
Root prison Mitú

Mandevilla cuneifolia Woodson. Sect H 24-201

only 2 of the coll. Type from R. Piráparaná S+C 17234.
+ S.+C. 19377 from Yuturi

Pironema Intelligans Nordt Vanjéa

HBK. 13999 Soratama Dec 1-15, 1951.
RonCost. 3927 Rio Pacá.

Stipellaceae from Vanjéa

S. roseiliferum Cuatr. 6744 Mitú
RES 3829 Rio Karoparaná
HBK, RES, Ptchmn 5799 Kanhuyacú
S. & C. 18416 Mitú
" 15423 "
" 15403 "
Cuatr. 6904 Mitú, mitú

S. Peckii B.L. Robinson 1406 HGB Soratama.
RES+L. 9491 Rio Negro near Cocui (Col.)

S. panurense Sprague + Sandw. S. & C. 12840 Soratama.
S. + Black 8447 Lovetoyacu Oct 1946
S. & C. 13084 North Pacon Tik. ong'-coc
Cuatr. 7033A Caruru.
7033 "

S. Mitscherlichii var. pubescentior Sandw. R. Schomb.
S. & C. 14401 Yapobora.

S. Mitscherlichii S. & B. 8386 Loret. Sept 1946.

S. Javorkaense Krick. S. + B. 8401 Loret. Oct 1946.

S. Robertianum Baillon S. 3523 Kofan ñi-ro-chee. Curare-neck
Ope 2-5/42 Cauhoa Conejo

S. Arachnita R. + P. S. 3604 Kofan ñi-hé-ja Root = curare.
Santa Rosa 7-3 ope 2 C 42.

S. Erichsonii R. Schomb. S. & C. 16770 Makú = we-oo'-kee-na-me
Jinogaje
HGB 14041 Soratama
S & C 12644 Soratama
HGB 14242 Jinogaje
S. & C 15653 R. Papagaio.
HGB 14580 La Pedrera Karijona erequi
HGB 14222 Rio Paraiá. Nevinna cuite
S & C 17021 Meker = koo ee-te' Jinogaje
S 3524 Conejo Kofan-ri-ro-chee
Said to be stronger than 3523
as curare. 2-5 ope. 42

Farn. 2252 Rhizophora pachyphylla Hyl. R. Benin Feb 13/53.

RBS. 6677 Rhipidia amazonica Mgf. Loret. Oct 1945

Cuatr. 7169 Tabernaemontana amygdalifolia Jacq. Caracas 9-X-39

RCastanea 3434 " palustris Mgf. Vallée Fatima 13 Nov 1952
" 3938 " " " Rio Yí 9 & 12 Dec. 1952

S. Bak Cab. 17983 " ramiflora Ness. Sn Felipe Oct 25/52

~~Fam~~. RCast. 3730 " ruber - striata Mart. R. Papuri Santa Teresita 25 Nov. 1952
Cuatr. 6759 " " " Mitú 13-IX-39

SEC 19813 " undulata Wood. Soritana. Jan 1952

Rodolfo 4719 Tec. Sp. Sarandi Estrada Oct 1961 . det RBS Rick +

Jac. & S. 718 Hemianthus ~~micranthus~~ (micrant) (Micrant) Wood ~~det~~ det 1936 "Platanillo" S. Juan Arauca Dec 5-20/1950

SAC. 17098 " bracteata (A DC) Woods. Mark. = a-ña -ra ~~Jmuka~~ Jmuka y mix."
Barasana - á-ña -da -gö

HGB 14285 " " Río Pirá-Paraná Cq. 25-31/52 Purapán. Nahoa-garikiá Rd. 30/5/52.
14227 " " Jenoşeje Cq. 25-26/52

S&C. 13066 Malouetia furfuracea Spr. North Pacoa. July 18/51
" 17065 " " Puna. poóm-ka!
~~S&C 16472~~ " Tamaquarina Near Mitú Pira-fe. 28/8/52 13/11/52
S&C 14170 " " Yaporoka Puni. pom-ka, Kub. yau-wa-hau-ka-kee.
HGB, RES, H Bleiben 17306 " " Tendapan June 25/1958 Oct. 1951
" " ~~Hyptis~~ Gelonioplora C. ramiflora (M.-Ar.) Loes. Yaporoka June 25/58.
S&C 14207 " " " " Oct 1951
S&C 17968 " " Jerijaroá July 7/51
HGB; RES, H Bleiben 16037 " " Jurenpudá June 30, 1958

S+C. 16236 Eugenia florida DC. Nakuna 00-koo Cq. 24/52 Guacaya
" 16596 " " Jenoşeje June 7/52
" 16267 " " " Guacaya Cq. 24/52

RB 5603 + 6012 Matonidium Tamagranum Forest. Sept-Nov 1972
6034
Formerly P. 6805 " " Akkirpi Cuchero Kongi Hagasin 1964

S&C.14013 Mandevilla annulariifolia woods. n.sp.
Jurjimo 16 Sept 1951.
S&C 17136 " " Perapan. Sept 18/52
HGB+DD. 19194 M. concinnula Kgf. Quebrada. Dec 21/51
S.+C. 17234-17239 M. cuneifolia woods n.sp. Quebrada C. Nuevo-Mundo
Priapan. Sept 6/1952
S&C 18377 " " Yutica May 14-24/53
HGB 13750 " lanceifolia woods. Jurjimo Nov. 1951
RSB 5442 " mariondeliana. Umbrigiata. May 15-16/1953
RSB 5611 " " " July 1953
S+C. 14010 "
14952 " stephanotidifolia woods n.sp. Jurjimo 16 Sept 1951
Jan 21/52
S.+C. 18325 " subcordata (Benth) woods. R. Kubiyai Cerro Kwanuchi
Nov. 10/52.
S&C 19135 " " Rio Kanuri - Goo-nan-hoo'da' Apr 15-16/1953.
Cuatr. 7001 " subspicata Pucarón 25-IX-1939
R. Cast 1268 " symphytocarpa (C.F.W. Muell.) Woods "Ho Pi"
Nov 25/48
S&C. 14508 " thevetioides woods n.sp. Quebrada 27/10/1951
" 15343 " vanheurckii (M. Ar.) Kgf. Yayacagi Feb 16/52.
" 14068 " " Jurjimo Sept 16/51.

S.+C. 15687 Mesechites trifida (Jacq.) R.&S.
Matima mee-see-man-gaw Jurjimo Feb 27/62
S.+L. 9319 Odontadenia angusta (Sodiro) woods S. Tel. Jr. Dec 12/47
Cuatr. 6967 " funigera woods. Yurapari 24-IX-39
Cuatr. 6868 " neglecta woods. Mitu 17-IX-39
" 6924 " " " entre Mitú & Mitu 20-IX-39
S.&C. 19669 " " " Urcasia Nov. 1951
Ekman 2914 " " " Mitu. Jan 27/57
S.+C.-17857 " " " Kuanyari Oct 16/52
" 17327 " " " Perapan. Nat-o-hai-ka mee-see-man-gaw
" 14025 " " " Cerro Tecumeseh Sept 9/52
Jurjimo Sept 16/51
HGB 13513 O. puncticulosa (A. Rich.) Pulle Jurubaxi Nov. 1951.
S&C 12666 " Sylvestris (A. DC.) M. Ar. Sovatama June 18/51
" 13718 " " " " " 24 Aug. 51
S&C 12660 Parahancornia Krukovii Mon. Pumavé-caat Sovatama
June 18/51
S&C 13999 Prestonia Lindleyana woods. Sovatama Dec 1-15/51.

Schult. + Cabr. 12501 Retiniphyllum concolor
Schult. 6895 Couma catingae Juanasca de varzea
Gut. y trapecio Oct. 1945.

~~Schult. 6599. Lecythaceae~~. Oct 1945 Bons fumos tetrastachya
Fernandez - P. 6867 Aug 19/1964 Savanna. Oct ++++. Bon tetrastachya
Schultes + Black 8246 Sept 1946 Loret. Tabernaemontana tetrastachya
~~Tabernaemontana~~ (HBK) ~~Markgf.~~ =
B tetrastachya (HBK) Mgf.
~~Fróes 4692~~ Oct 5/61 Ac/c por Botrytrophaea
137[illegible] "ají del monte".
~~Lakeocaustic~~.
Ducke 15 Jenipapinia Couma rigida
"guaramia".
J.B 13709 Soratana C. rigida "Bona"
S.+H. 9467 C. utilis R. Negro Cocui Dec 27/1947 "pendarito"
9486 " " " " "
S+C. 19301 Galactophora crassifolia (Huber - arg.) Woodson
oE G 19066 " " Jenipapinia Yutica Mar 19-24/53
HQ.B 13752 " " " Sept 16/51.
Nov 1951
HBK & Pitt. 19144 " " Aiscaucara Dec 21/51.
RSS 5735 Himatanthus articulata (Vahl) Woods. Cloth Orquata Jan 18, 1944
HBG 14127 " " Soratana Dec 1951.
Gut. + RSS 799 " " Miraflores Feb 1944
RSS. 9859A Himatanthus spruceana Woods. Cano Cocuy a Mar 1944
RSS + 7[illegible] Himatanthus articulata (Vahl) Woods Cloth Orquata Jan 15/1944
RSS 5814 " " R. Vaupes Cano Pacu. "Platanetti" Mar. 6/44.
RSS + Black 8562 " phagedaenica (Mart.) Woods. Loret. R. Oct 1946.
RSS 6824 " Sucuuba (Spr.) Woods. Oct 1945.
B + C. 13991 Macrosphyras x strigillosa Woods. Soratana. Sept 15/51.
~~Set~~
Cuatr 7285 Malouetia Cuatrecasasii Woods. 20-X-39 Mitú
Cuatr. 6898 Malouetia fuscescens Spr. Uaupés 18-X-39
Olivibe 2903 " " Jan. 27/57 Mitú
S & C. 17152 " fuliscens Mgf. Cano Oo-moo-ña, Piraja. Mar 9/52.
~~17~~
Cuatr 7107 " Schomburgkii Muell Arg. Kanamari 1-X-1939.
S.+C. 12525 " Tamaquarina Soratana. June 16/51
12635 " " " June 17/51
16170 " " " Apr 7/52
13021 " " " 10 July 51
15103 " " Cano Churuco Jan 31/52
Cuatr 6781 " " Mitu 13-IX-39

BOGOTA—COLOMBIA
Casa de Monedas, detalle Patio

Colección R.E.Schultes en COL, solamente con el Nº ;

Nº 22400 a 22493
22500 a 22532
22533 a 22599
22600 a 22699
22701 a 22718

Ediciones Movifoto Ap. Aéreo 1254 . Medellín

8362

Hernando Calle 33 – 06

"VOLUMENES Y FORMULAS"	
1	Prisma
2	Pirámide
3	Cono recto truncado de bases paralelas
4	Cubo
5	Cilindro recto truncado
6	Cono de revolución recto
7	Pirámide truncada de bases paralelas
8	Cilindro de revolución recto
9	Esfera
10	Cilindro oblicuo de bases paralelas
11	Sector esférico
12	Prisma triangular truncado
13	Paraboloide de revolución
14	Toro circular o anillo
15	Zona esférica
16	Tonel de Sección circular

TABLA DE MULTIPLICAR

2 X 1 – 2	3 X 1 – 3	4 X 1 – 4	5 X 1 – 5
2 X 2 – 4	3 X 2 – 6	4 X 2 – 8	5 X 2 – 10
2 X 3 – 6	3 X 3 – 9	4 X 3 – 12	5 X 3 – 15
2 X 4 – 8	3 X 4 – 12	4 X 4 – 16	5 X 4 – 20
2 X 5 – 10	3 X 5 – 15	4 X 5 – 20	5 X 5 – 25
2 X 6 – 12	3 X 6 – 18	4 X 6 – 24	5 X 6 – 30
2 X 7 – 14	3 X 7 – 21	4 X 7 – 28	5 X 7 – 35
2 X 8 – 16	3 X 8 – 24	4 X 8 – 32	5 X 8 – 40
2 X 9 – 18	3 X 9 – 27	4 X 9 – 36	5 X 9 – 45
6 X 1 – 6	7 X 1 – 7	8 X 1 – 8	9 X 1 – 9
6 X 2 – 12	7 X 2 – 14	8 X 2 – 16	9 X 2 – 18
6 X 3 – 18	7 X 3 – 21	8 X 3 – 24	9 X 3 – 27
6 X 4 – 24	7 X 4 – 28	8 X 4 – 32	9 X 4 – 36
6 X 5 – 30	7 X 5 – 35	8 X 5 – 40	9 X 5 – 45
6 X 6 – 36	7 X 6 – 42	8 X 6 – 48	9 X 6 – 54
6 X 7 – 42	7 X 7 – 49	8 X 7 – 56	9 X 7 – 63
6 X 8 – 48	7 X 8 – 56	8 X 8 – 64	9 X 8 – 72
6 X 9 – 54	7 X 9 – 63	8 X 9 – 72	9 X 9 – 81

EQUIVALENCIA DE PESOS Y MEDIDAS

LONGITUD

Cm.	–	0,3937	Pulgadas
Metro – 100 Cms.	–	39,37	Pulgadas
Metro	–	3,28	Pies
Metro	–	1,0936	Yardas
Metro	–	1,25	Varas
Km. – 1.000 Ms.	–	0,62137	Millas
Pulgada	–	2,54	Cms.
Pie – 12 Pulgds.	–	30,48	Cms.
Yarda – 3 Pies	–	91,44	Cms.
Milla – 1.760 Yds.	–	1.609,35	Metros
Milla Náutica	–	1.852	Metros
Vara	–	80	Cms.
Cuadra – 100 Varas	–	80	Metros

SUPERFICIE

Cm^2	–	0,155	Pulg. Cuad.
M^2	–	10,764	Pies Cuads.
M^2	–	1,196	Yds. Cuads.
M^2	–	1,5625	Varas Cuads.
Hectárea – 10.000 Ms^2	–	2,4710	Acres
Hectárea	–	1,5625	Plazas*
Km^2	–	0,386	Milla Cuad.
Pulg. Cuad	–	6,452	Cms^2
Pie Cuad.	–	0,0929	M^2
Yarda Cuad.	–	0,8361	M^2
Acre	–	0,4047	Hectárea
Milla Cuad.	–	2,59	Kms^2
Vara Cuad.	–	0,64	M^2
Plaza*	–	6.400	Ms^2

* También Cuadras

VOLUMEN

Cm^3	–	0,06102	Pulg. Cúbica
M^3 1.000.000 Cms^3	–	35,3145	Pies Cúbicos
M^3	–	1,308	Yds. Cúbicas
Pulgada Cúbica	–	16,387	Cms^3
Pie Cúbico	–	0,0283	M^3
Yarda Cúbica	–	0,765	M^3

PESO

Gramo	–	15,432	Granos
Gramo	–	0,03527	Onza
Kilogramo	–	2,2046	Lbs.
Tonelada Métrica 1000 Kgs.	–	2.204,6	Lbs.
Grano	–	0,0648	Gramo
Onza Avoirdupois	–	28,35	Gramos
Libra – 16 Onzas	–	453,6	Gramos
Tonelada Amer. – 2.000 Lbs.	–	907,18	Kgs.
Tonelada Ingl. – 2.240 Lbs.	–	1.016,05	Kgs.
Onza Avoirdupois	–	437,5	Granos
Onza Troy	–	480	Granos
Arroba – 25 Lbs.	–	11,34	Kgs.
Quintal – 100 Lbs.	–	45,359	Kgs.

CAPACIDAD

Litro – 1.000 Cms^3	–	0,264 Gal. Americano
Litro		0,220 Gal. Inglés
Litro	–	1,389 Botellas.
Onza Flúida		29,57 Cms^3
Galón Inglés 227,420 Pulgs. Cúb.	–	4,546 Lts.
Galón Americano 231 Pulgs. Cúb.	–	3,7853 Lts.
Botella – 720 Cms^3	–	0,72 Litro
Botella		25,36 Onzas Flúidas

TEMPERATURA

Grados Centígrados	(F° – 32) 5/9
Grados Fahrenheit	9/5 C° + 32
Grados Centígrados	5/4 Grados Reaumur
Grados Reaumur	4/5 C°